

Product datasheet for **RN214428**

Ttc23 (NM_001025681) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttc23 (NM_001025681) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ttc23
Synonyms:	RGD1310409
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN214428 representing NM_001025681
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTGTACAAGAAAAGAAAGCAGCCGATGATAAGCGTGTAGCTCCAAGGACAATGCATATGAGA
ATATGCAAGAGTCTCAGGAGACTCACATGTCCAGCCACCTGGATGAAGTCATTGCTGCTGTCAGCGTCAC
TTCTAAAAACAGGCTCTCAAATAAGCTGCTTCAGACAGCACTGTTCCAGCCCCCTCGAGAGAACTCCAC
CTGTGTGAAGAGAGAGCGAAGTCTACTCCAGCATCCGAGAGTACAAGCAGGCCATCCAGGAGCTTGTGC
GCTGTGTGGCACTAACGAAAATTTGCTACGGCGACTCGCATTGGAACTAGCAGAGGCATATGTGAATCT
GGCTCAGGGTTACCTCCAGCTGAAAGGGTTGTCACTACAAGCAAAGCAGCATGCAGAAAAAGCCAAAGAA
ATCCTGGCCAACCCATGGAGAGTCCCTATTACAACAAGACAGATATCTCAAGTGTTCCTAGAGCTTT
TCTATACGCTGGGAAAGCCCTGGTCTCCCTTCAAAAATTTAAAGAAGCCTGGGAGAACTTGATAAAAGC
TGAGAGACTTTCCAAGGAGATGTGCAATGTGGGAACATTATAAAGGAAGAGTGGATAGAAATCCAATCT
CGGATCAAGCTGTCGTTTGCACAGTTGTATCAAGGTCAAGAAAGATCAAAAGAAGCTTTCCCTACTATC
AAAAGGCTTTGGAATATACTGAGACTACAAAGATGAAAAAGTTTTGAATGTGCACAAGTACTGAGGGA
AATGGCAGGCGTGGAGCAAGCCCTGGCACTCCACGACGCCTCCATCGGTCATTTCTCACAGGCACATCTC
ATCATCTGAGTAAAGAACCCTCCCCAGAGGATGCTGCAGACTCTGCACTCTCTATTGCCCGGGCTGCCG
TTGCTTCTGGGATGCACGACCACCATGATGTGGCCGAGAAGTATTTTCAGGAAAGCATGACTTACCTCAA
GGATTCGAAGGAACAGAAAAAGCCAAGTTCCTTTTCGATTCAAGATGAATTTTGCAGTTTTCTGCAAACC
ATTGGCAAAAAAGAAAGAGCGGCCATGATCCTGAGAGAGTCCCTGGAAGCAAAAAAGGAGTGTTCGGTG
ACTTCAGTCTGAGGTGGCAGAAACATACCGGATCCTGGCAGGGCAGACCTGGCTCAGGGAACAACAA
CGGAGCGCACATGAAGCTAAAGAAGTGTGCCAGATTGAGACGTTCTTGTATGGATCACAGGACAAGAAG
ACCATGGCCACCCAGCAAACCATAGACACGCTGTCCAAGATCTCCGAGACTCCCCTGAAAGTCAAAGCAAT
CACTGAAAGCCAAGACAGCGTTCTGCACCAGTGTCCCCAGTACGTGACGCCAGGGAAGGCCAGGCACAG
TGCGGCAGAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001025681

Insert Size: 1413 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001025681.1](#), [NP_001020852.2](#)
RefSeq Size: 1948 bp
RefSeq ORF: 1413 bp
Locus ID: 308708
UniProt ID: [Q4V7F0](#)
Cytogenetics: 1q22
Gene Summary: Participates positively in the ciliary Hedgehog (Hh) signaling.[UniProtKB/Swiss-Prot Function]